OIPE JC15
JUN 10 2005
PATENT & TRADEMARK OFFICE

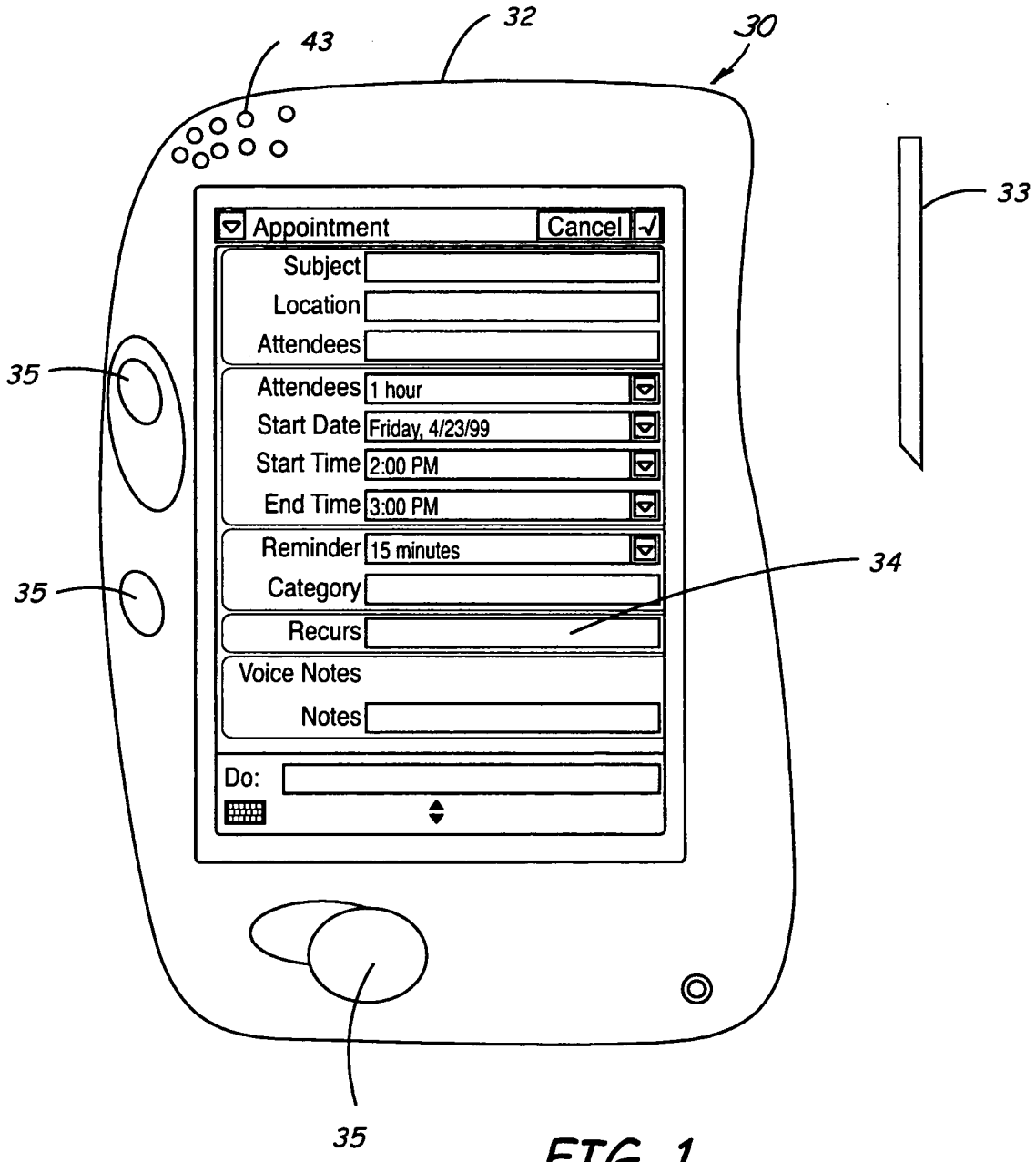


FIG. 1

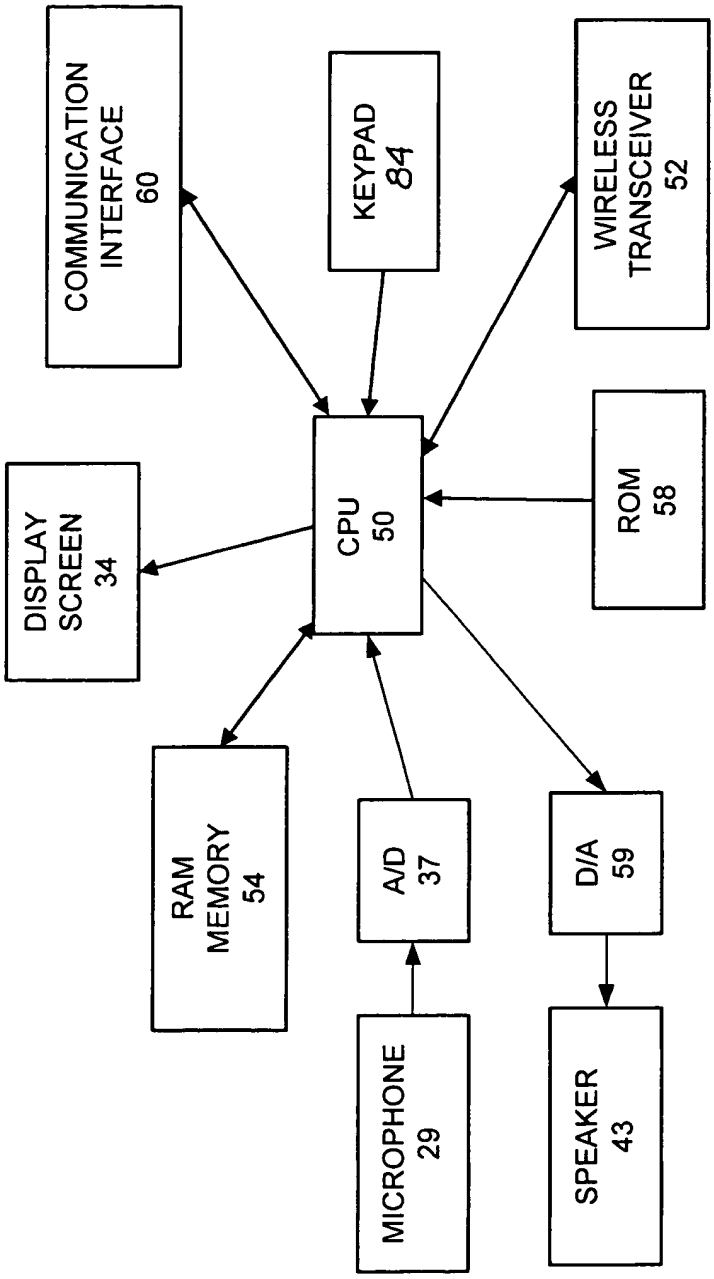

COMMUNICATION INTERFACE 60
KEYPAD 84
WIRELESS TRANSCEIVER 52
DISPLAY SCREEN 34
CPU 50
ROM 58
RAM MEMORY 54
A/D 37
D/A 59
MICROPHONE 29
SPEAKER 43
30

FIG.2

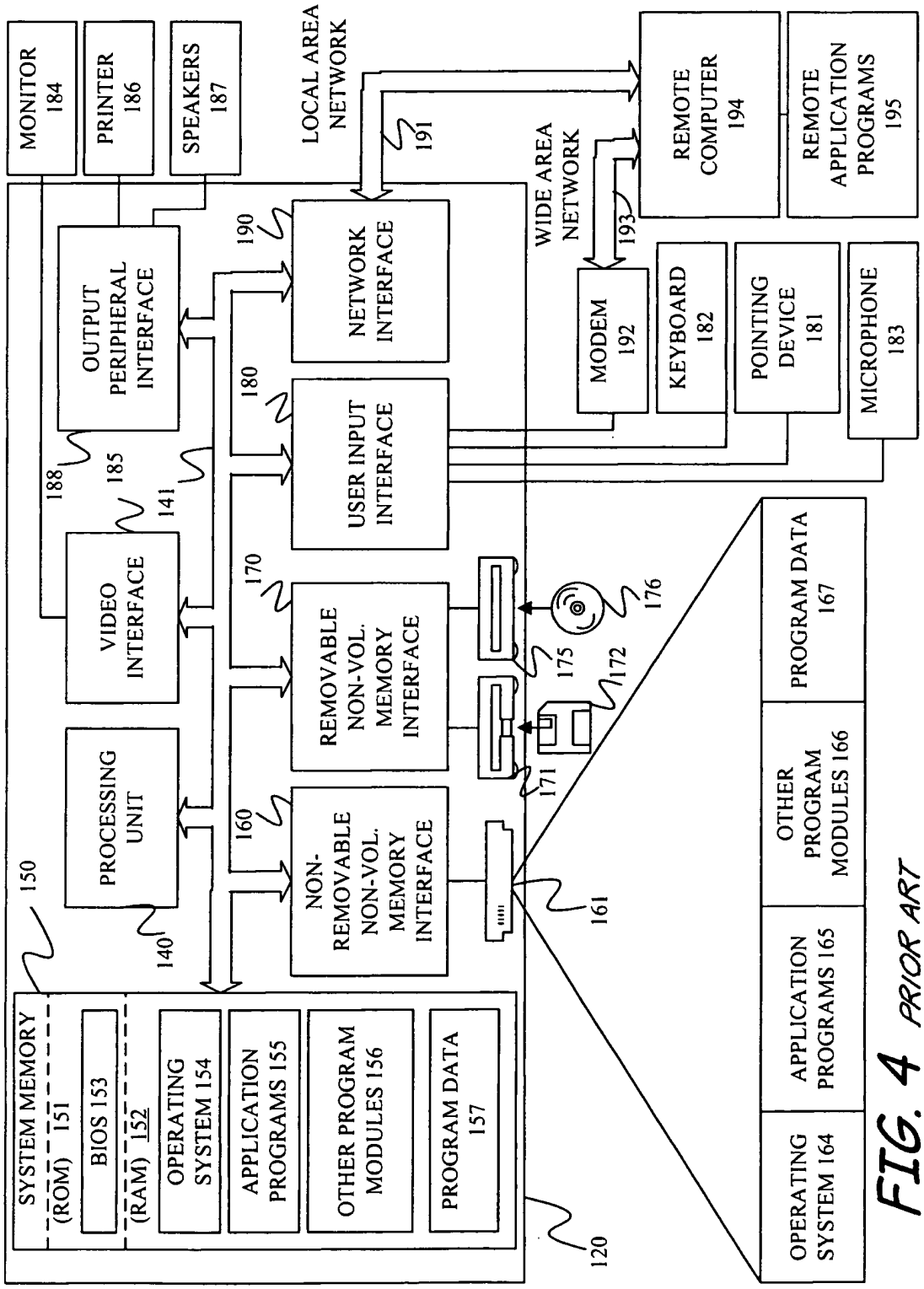
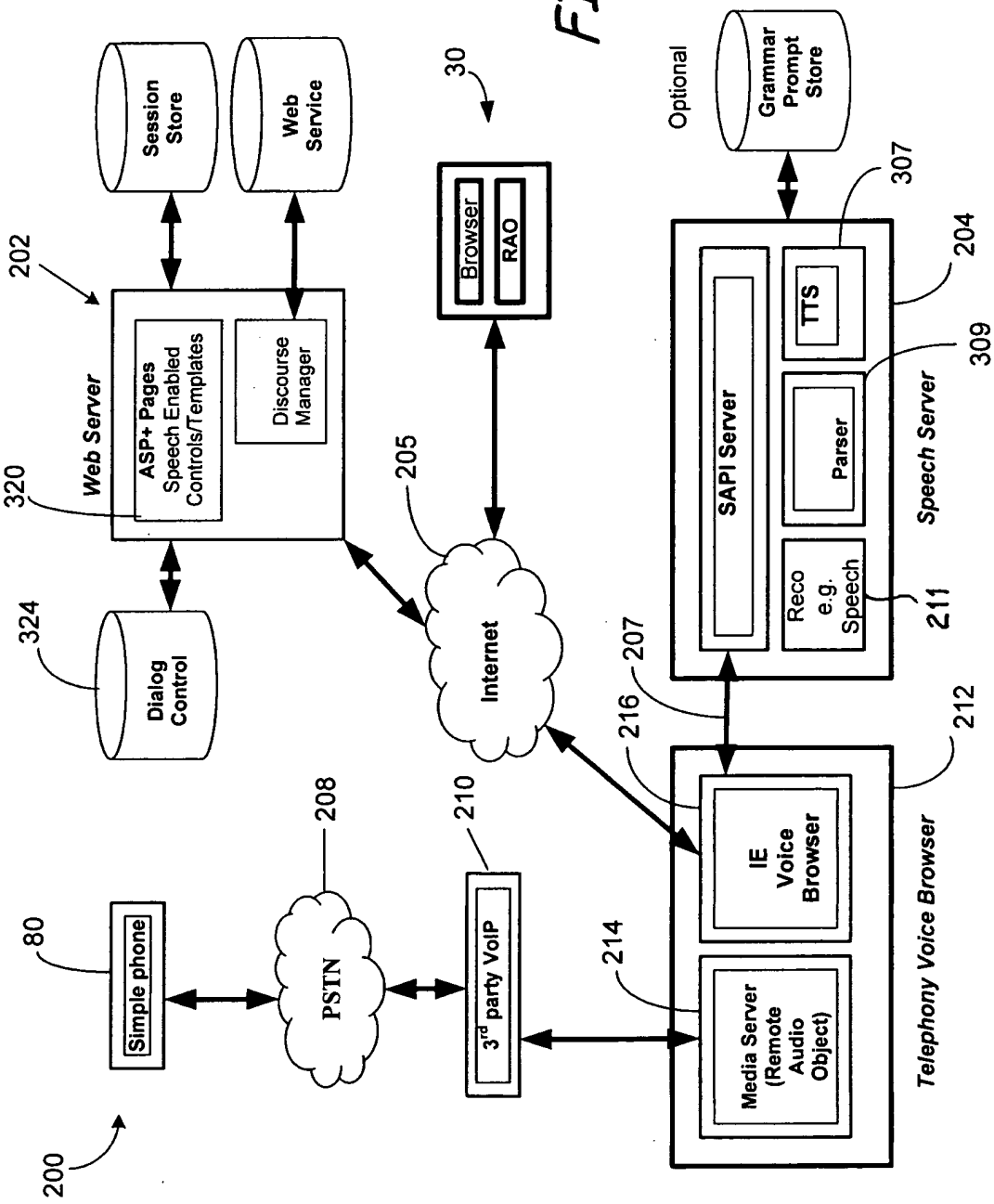


FIG. 4 PRIOR ART

FIG. 5


Session Store
Web Service
30
Browser
RAO
Optional
Grammar Prompt Store
307
202
Web Server
ASP+ Pages
Speech Enabled
Controls/Templates
Discourse Manager
320
205
204
TTS
309
Parser
SAPI Server
Speech Server
Reco
e.g.
Speech
211
324
Dialog Control
Internet
207
216
212
IE
Voice
Browser
208
210
80
Simple phone
PSTN
3rd party VoIP
214
Media Server
(Remote
Audio
Object)
Telephony Voice Browser
200

```
<html>
  <form id="get_card_info" method="post" action="http://payment.asp">
    <select name="card_type">
      <option value="amex">American Express</option>
      <option value="visa">Visa</option>
      <option value="ms">MasterCard</option>
    </select>
    <input type="text" name="card_num" width="30"
      onChange="handle()" />
    <input type="text" name="expiry_date" />
    <input type="submit" value="Submit" onClick="verify()" />
  </form>
  <script><![CDATA[
      function handle() {
        if (get_card_info.card_type.value == "amex") {
          if (get_card_info.card_num.length != 15)
            alert ("amex should have 15 digits");
        } else
          if (get_card_info.card_num.length != 16)
            alert ("visa and master should have 16 digits");
      }
      function verify() {
        var flag = window.confirm("submit the credit card info?");
        if (flag)
          get_card_info.submit();
      }
    ]]>
  </script>
</html>
```

260

262

FIG. 7
PRIOR ART

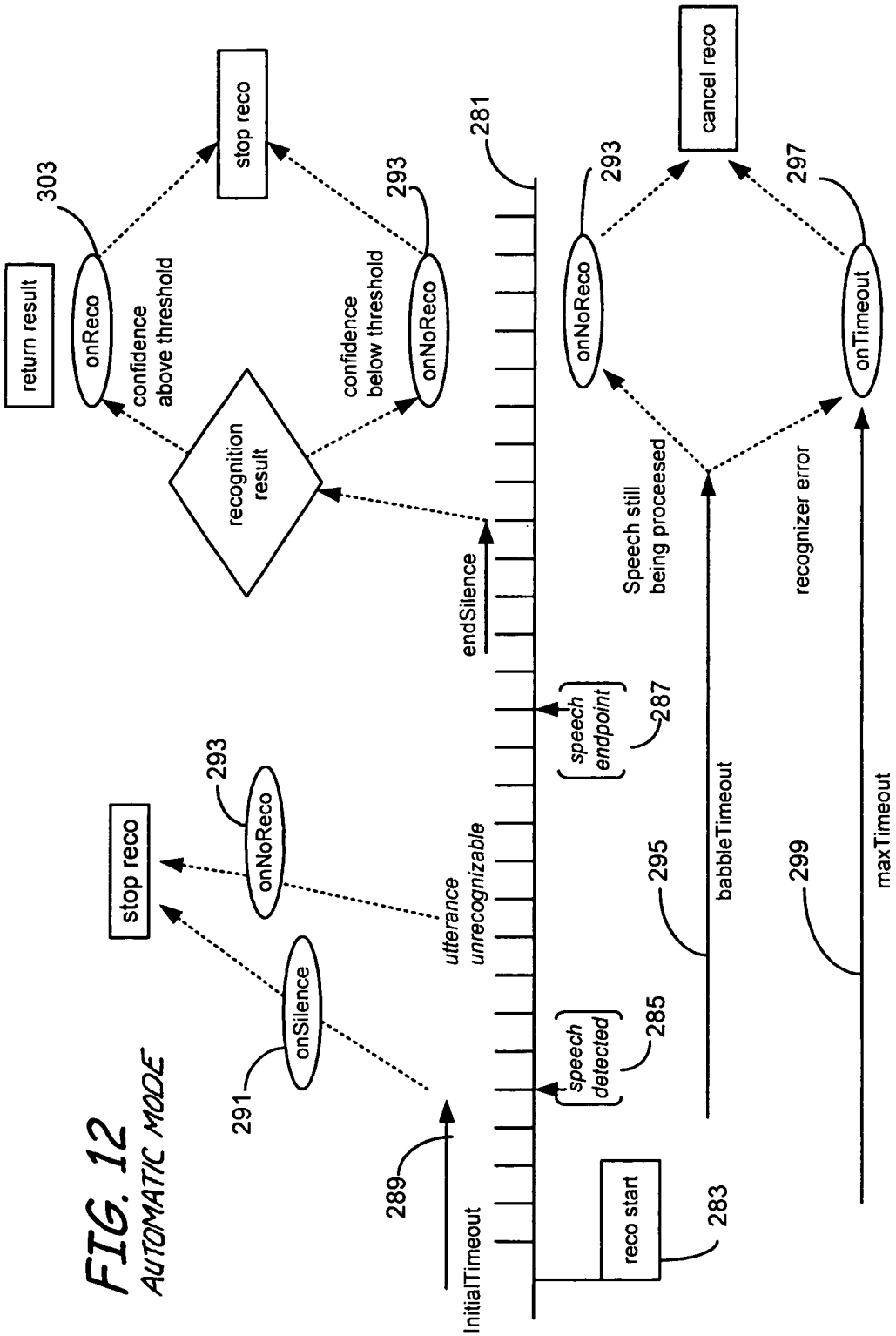


FIG. 12
AUTOMATIC MODE

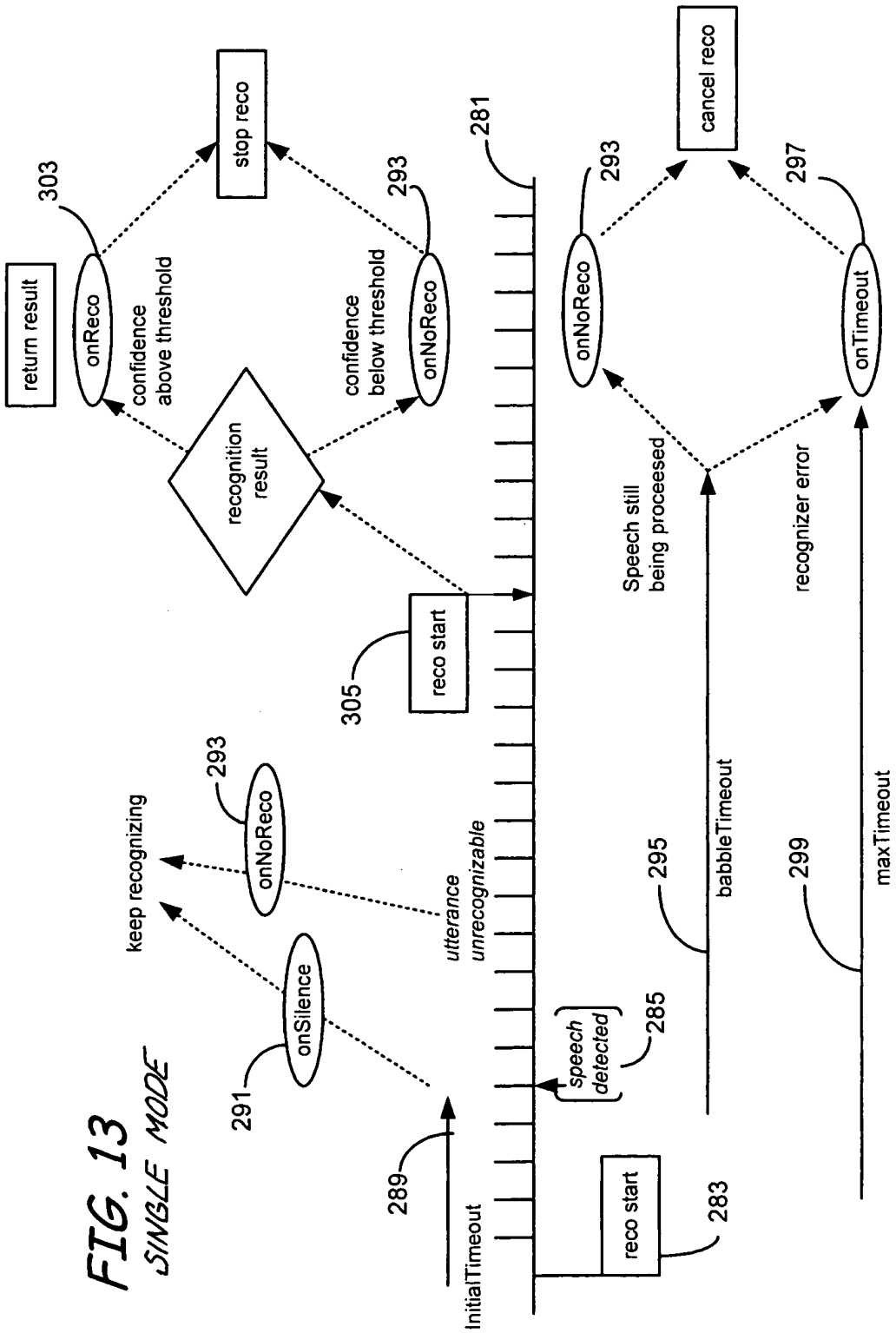


FIG. 13
SINGLE MODE

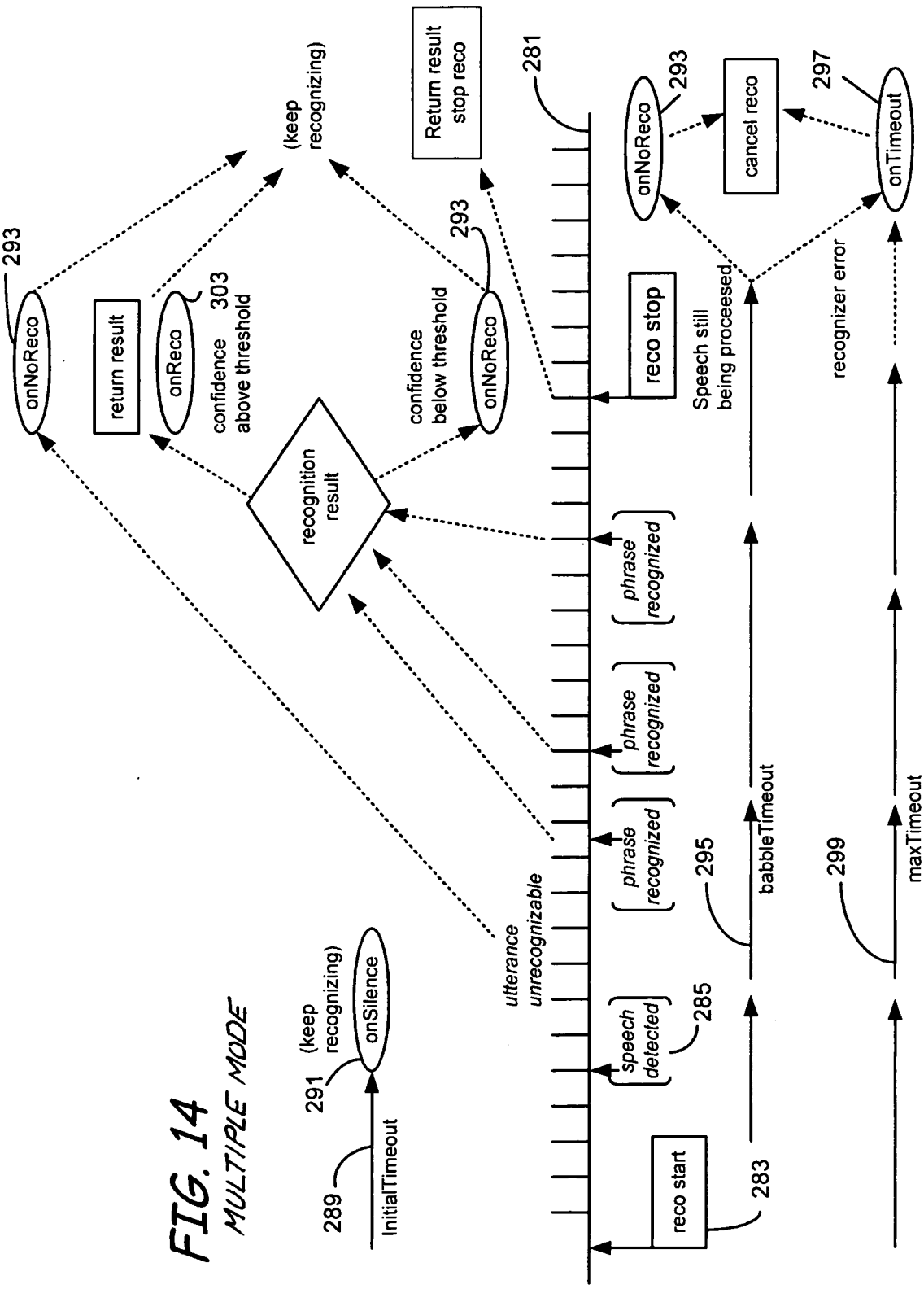


FIG. 14
MULTIPLE MODE